

A GALL MIDGE ON PINE CONES

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The species described below was reared together with a number of other specimens by Dr. A. D. Hopkins, Bureau of Entomology, U. S. Department of Agriculture. There were several lots of these rearings, and there is possibly more than one species of *Asynapta*, though the poor condition of much of the material and our present fragmentary knowledge in regard to this genus does not permit a positive statement in this respect. Several of the lots numbered 17172 produced species of *Lestodiplosis*, predacious and possibly inquiline forms, which occur somewhat generally and have little direct relation to the food plant. The microscopic mount of the type bears the label: "Lake City, Fla. 18 IX 34, Hopkins 17172A, from pine cones."

Asynapta hopkinsi new species

MALE: Length 2mm. Antennae about as long as the body, probably thickly haired, light brown; 23 segments, the fifth with a stem one-half the length of the subcylindrical basal enlargement, which latter has a length one-half greater than its diameter; terminal segment variably produced and tapered to a narrowly rounded apex or a short, cylindrical tip. Palpi quadriarticulate, the first and second segments each with a length about three times the width, the third twice as long as the second, slender, the fourth one-fourth longer than the third and more slender. Mesonotum dark brown. Scutellum and postscutellum yellowish. Abdomen sparsely haired, fuscous yellowish. Halteres yellowish. Legs a nearly uniform pale straw, claws moderately stout, unidentate, the pulvilli longer than the claws.

The male approaches in characters *A. americana* Felt, from which it is easily distinguished by its larger size, the greater number of antennal segments and the shorter stems of these segments. This sex is the type of the species.

FEMALE: Length 1.5 mm. Antennae a little shorter than the body, sparsely haired, pale yellowish; 18 segments, the fifth with a stem about one-fourth the length of the cylindrical basal enlargement, which latter has a length twice its diameter. Palpi, the first and second segments short, stout, the third twice the length of the second, more slender, and the fourth one-fourth longer than the third, more slender. Mesonotum dark

brown. Scutellum and postscutellum yellowish. Abdomen fuscous yellowish. Halteres pale yellowish. Legs light straw, claws moderately stout, unidentate, the pulvilli longer than the claws. Ovipositor moderately long, the lobes rather broad, biarticulate, and obtuse apically.

This female is provisionally associated with the male, since they were reared in the same lot and in spite of the fact that the female is decidedly smaller and has fewer antennal segments than the male.

The types are deposited in the U. S. National Museum.